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/*
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 *        */

#include<iostream>
#include<cstdlib>
#define MAX 13
using namespace std;
typedef bool tabbool[MAX];
//deklarasi kelas
class kalender
{
	public:
		kalender(int h, int b, bool& liburya);
		void output();
		bool liburya;
	private:
		int hari, bln;
		void validasi_tgl();
};
class libur
{
	public:
		libur(int h, int b);
		void output();
	public:
		kalender tanggal;
		bool liburkan;
};
int main()
{
	//deklarasi variable
	int a, b;

	//algoritm
	cout<<"Masukkan tanggal : ";
	cin>>a;
	cout<<"Masukkan bulan : ";
	cin>>b;
	libur L(a, b);
	L.output();

	return 0;
}
libur::libur(int h, int b):tanggal(h, b, liburkan){};
void libur::output()
{
	//menampilkan teks
	tanggal.output();
	if (liburkan)
	{
```

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                    cout<<"Diliburkan. \n";
          }

          else
          {
                    cout<<"Tidak diliburkan. \n";
          }
}
kalender::kalender(int h, int b, bool &liburya):hari(h), bln(b)
{
          //deklarasi variable
          int indeks1=32, indeks2, indeks3;
          //assign nilai
          tabbool libur_t[indeks1];
          for(indeks2=1; indeks2<=31;indeks2++)
          {
                    for(indeks3=1;indeks3<=12;indeks3++)
                    {
                              libur_t[indeks2][indeks3]=false;
                    }
          }
          //data base dari yang libur
          libur_t[1][3]=true; //1
          libur_t[5][3]=true; //2
          libur_t[5][6]=true; //3
          libur_t[16][2]=true; //4
          libur_t[6][6]=true; //5
          libur_t[7][4]=true; //6
          libur_t[7][8]=true;//7
          libur_t[8][2]=true;//8
          libur_t[9][2]=true;//9
          libur_t[10][9]=true;//10
          libur_t[10][9]=true;//11
          libur_t[10][9]=true;//12
          libur_t[10][10]=true;//13
          libur_t[4][11]=true;//14
          libur_t[24][11]=true;//15
          libur_t[29][11]=true;//16
          libur_t[31][11]=true; //17
          libur_t[14][12]=true;//18
          libur_t[16][12]=true;//19
          libur_t[20][12]=true;//20

          liburya=libur_t[h][b];

          validasi_tgl();

}
void kalender::validasi_tgl()
{
          if(hari<1 or hari>31 or bln <1 or bln>12)
          {
```

```
				cout<<"Data yang anda masukkan tidak valid "<<endl;
				exit(1);
		}
}
void kalender::output()
{
	cout<<hari<<" ";
	switch(bln)
	{
				case 1 : cout<<" January "<<endl;break;
				case 2 : cout<<" February "<<endl;break;
				case 3 : cout<<" March "<<endl;break;
				case 4 : cout<<" April "<<endl;break;
				case 5 : cout<<" May "<<endl;break;
				case 6 : cout<<" Juny "<<endl;break;
				case 7 : cout<<" July "<<endl;break;
				case 8 : cout<<" Agustus "<<endl;break;
				case 9 : cout<<" September "<<endl;break;
				case 10 : cout<<" Oktober "<<endl;break;
				case 11 : cout<<" November "<<endl;break;
				case 12 : cout<<" Desember "<<endl;break;
	}
}
```